![legrand®]

87045 LIMOGES Cedex
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PIR detector switch

Catalogue number(s): 0 488 03/99

CONTENTS   Page

1. USE

This device automatically controls a light source by detecting movement in its supervision zone.

360° detection angle motion detector.
Detection type: infra-red
Mounting: ceiling

2. TECHNICAL CHARACTERISTICS

Voltage: 230 V~
Frequency: 50 / 60 Hz
No-load power consumption: 0.7W
Output by normally open contact connected to phase
Cabling: 2 x 2.5 mm² automatic terminals
Flush-mounting diameter: 65 mm without flush-mounting box,
          68 mm with flush-mounting box

Weight: 115 g
Impact resistance: IK04
Penetration by solid bodies and liquids: IP41
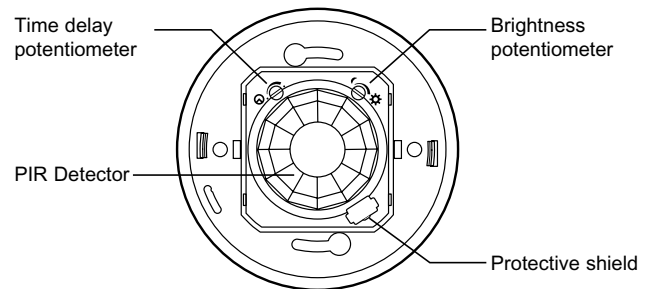Operating temperature: -5°C to +45°C
Storage temperature: -20°C to +70°C

2. TECHNICAL CHARACTERISTICS (continued)

Products approved for 40,000 operations
Mains zero breaking: in order to limit the effect of induced currents on cut-off relays by fluorescent loads in particular, this sensor breaks the voltage at mains zero. Switching occurs when the voltage is at point 0 which ensures a longer life for sources and for the sensor.

Cover removed

Time delay potentiometer

Brightness potentiometer

PIR Detector

Protective shield

|	①	②		③		④		⑤		⑥		⑦		⑧	
230 V~	2000 W	8,5 A	1000 VA	4,3 A	1000 VA	4,3 A	10x(2x36 W)	4,3 A	250 W	1 A	250 W	1 A	250 W	1 A	500 VA	2,1 A

① Halogen lamp
② Halogen lamp TBT, fluocompact and Fluorescent with separate electronic ballast
③ Lampes halogènes TBT, fluocompact and Fluorescent with separate ferromagnetic ballast
④ Fluorescent tubes
⑤ Compact fluorescent lamp with integrated electronic ballast
⑥ Compact fluorescent lamp with integrated ferromagnetic ballast
⑦ LED lamp
⑧ Contactors

PIR detector switch

3. OVERALL DIMENSIONS

Without protective cover
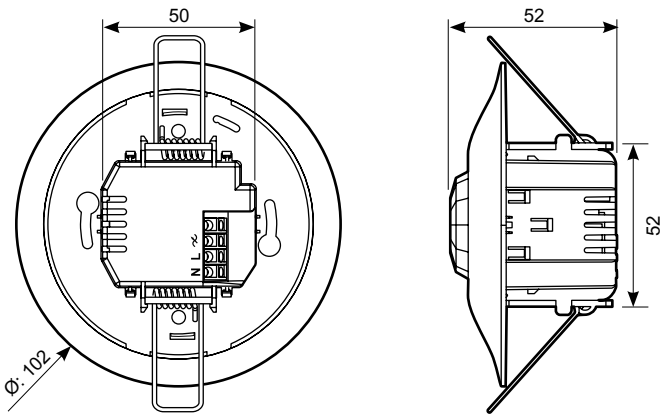
With protective cover
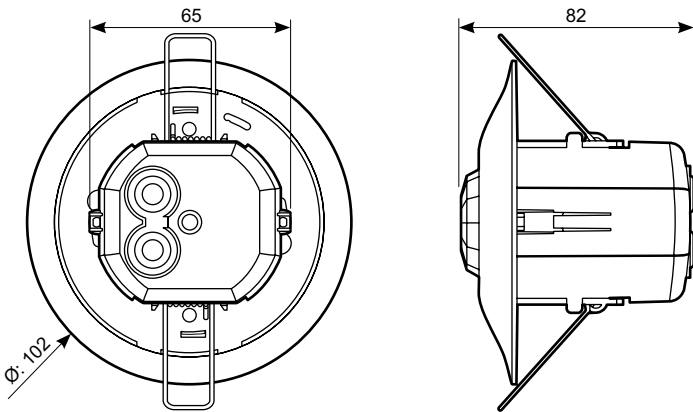
4. CONNECTION
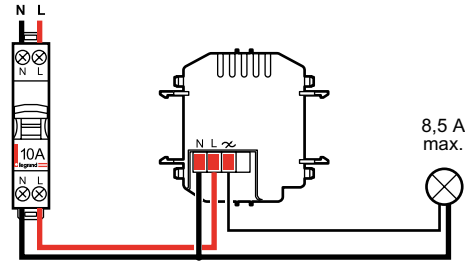
Number of terminals: 4
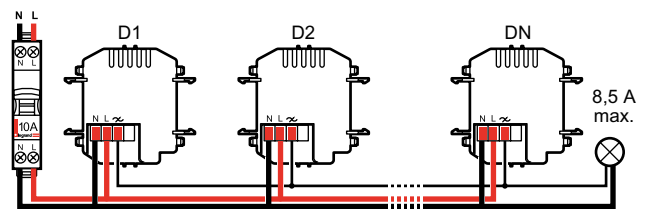Terminal type: automatic
Terminal capacity: 2 x 2.5 mm^2
Stripping length: 8 mm

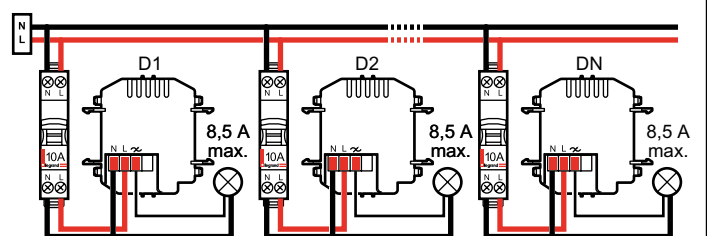The load will be switched on and off automatically.

4.1 Wiring without auxiliary control

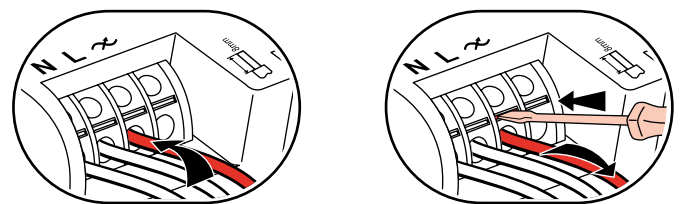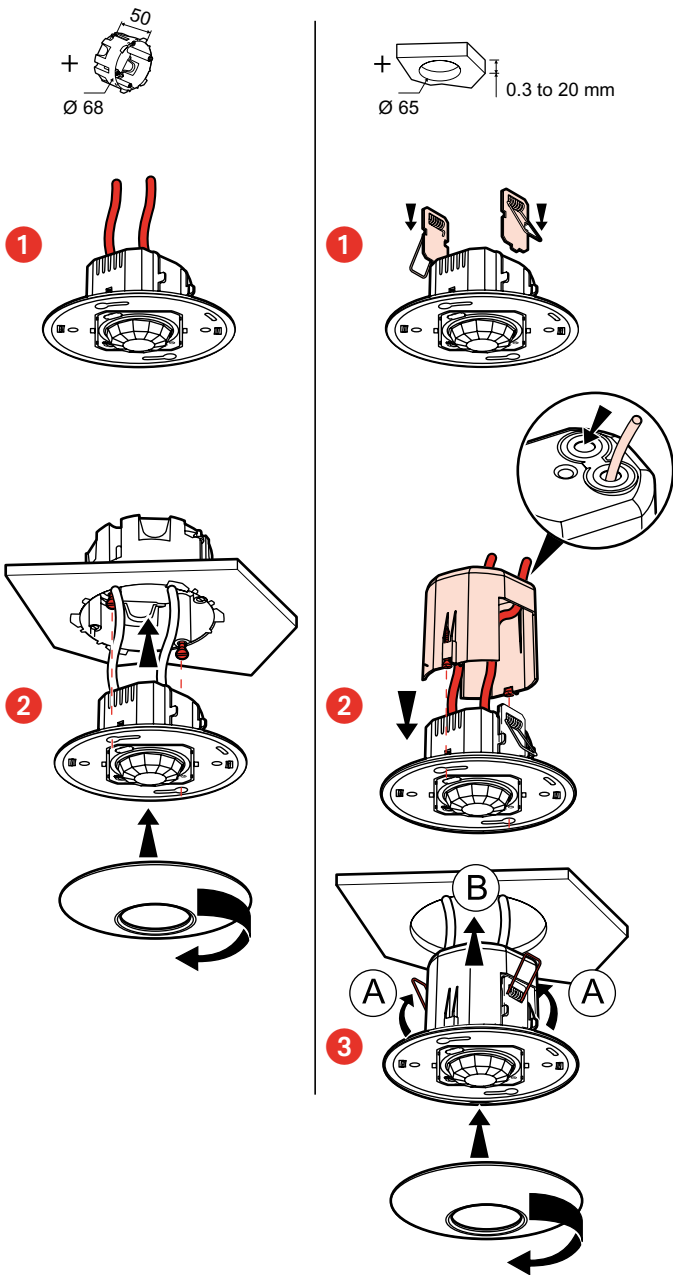### 4.2 Wiring for a single load connected in parallel
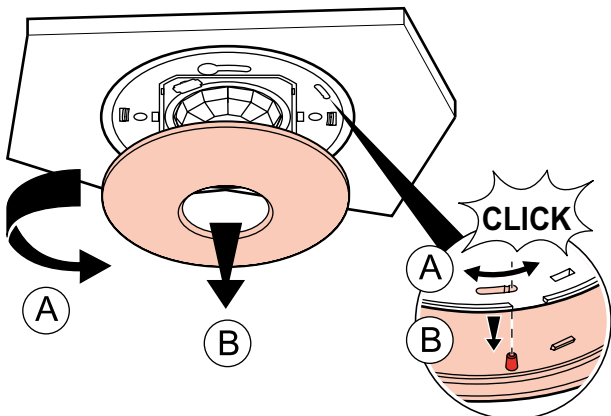

4.3 Wiring for several loads connected in parallel

Wiring

Technical data sheet: F00963EN/04   Updated: 20/10/2015   Created: 07/01/2010   **L1 legrand**

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5. INSTALLATION

Ø 68

Ø 65   0.3 to 20 mm

6. DISASSEMBLY

CLICK

7. SETTINGS

- Parameters:

Sensor parameters	Default value	Modifiable parameters using potentiometer
Time delay	5s	5s - 30min
Daylight setpoint	1000 lux	1 - 1000 lux
Auto on/Auto off mode	Active	Non modifiable

Time delay: Time for which light is switched on following detection.

Sensitivity: Detector range setting.

Daylight setpoint: Daylight setpoint value below which the light is switched on and above which the light is switched off.
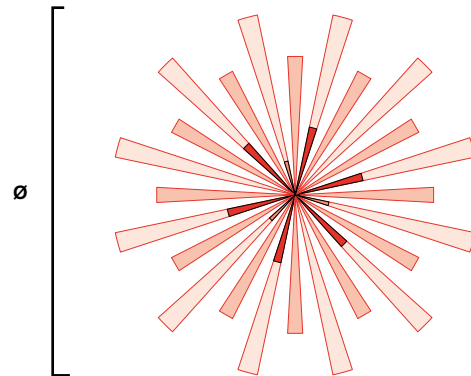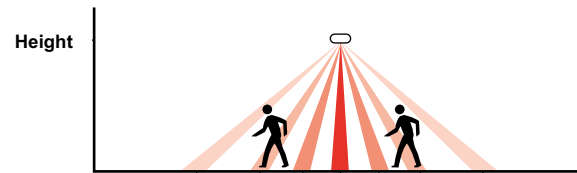
Auto on/Auto off mode:
The light is switched on automatically:
- When presence is detected, if the natural brightness is too low.
The light is switched off automatically:
- Where no presence is detected and at the end of the time delay set.

8. PERFORMANCE

Height

Ø

	Ø (m)	Surface area (m²)
2.5	8	50
3	11.5	100
4	14	155
5	16.5	215
6	12.5	125

(Height (m))

Note: All technical information is available at

www.legrandoc.com

Technical data sheet: F00963EN/04   Updated: 20/10/2015   Created: 07/01/2010

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9. CLEANING

Ensure the lens remains clean.
Surface cleaning using a cloth.
Do not use: acetone, tar remover, trichloroethylene.
Resistant to the following products: - Hexane (EN 60669-1),
- Methylated spirit,
- Soapy water,
- Diluted ammonia
- Bleach diluted to 10%,
- Window cleaning products.

> **WARNING:** Conduct preliminary tests before using any other specific cleaning products.

10. STANDARDS

Directive: CE

Installation standards: NFC 15-100

Product standards: IEC 60669-2-1

Environmental standards:
- European Directive 2002/96/EC:
  WEEE (Waste Electrical and Electronic Equipment).

- European Directive 2002/95/EC:
  RoHS (Restriction of Hazardous Substances).

- Decrees and/or regulations: ERP (public buildings)
                               ERT (professional buildings)
                               IGH (high-rise buildings)